

Cal/Ecotox

Exposure Factors for Coachella Valley Fringe-toed Lizard (*Uma inornata*)*

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Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Clutch or Litter Size	2.8		1-6	eggs/clutch	F	Adult	Riverside; CA	a	1
Dietary Composition	Overall Total (837); Arthropod Total (383); Vertebrate Total (1); Plant Total (277): Includes; Insects, Coleoptera (8); Diptera (2); Hemiptera (34); Homoptera (45); Hymenoptera (461); Neuroptera (1); Lizards, Phrynosomatidae (2); Plants, Asteraceae (85); Boraginaceae (65); Loasaceae (128)			#	F	Adult	Riverside; CA	b	2
Dietary Composition	Overall Total (629); Arthropod Total (201); Vertebrate Total (1); Plant Total (332): Includes; Insects, Coleoptera (28); Diptera (5); Hemiptera (25); Homoptera (177); Hymenoptera (48); Lepidoptera (3); Orthoptera (4); Snakes, Crotalidae (1); Plants, Asteraceae (42); Boraginaceae (8); Fabaceae (71) and Loasaceae (21)			#	F	Adult	Riverside; CA	c	2
Dietary Composition	Overall Total (2779); Arthropod Total (658); Vertebrate Total (2); Plant Total (2113): Includes; Insects, Coleoptera (49); Hemiptera (27); Homoptera (503); Hymenoptera (59); Lepidoptera (10); Neuroptera (2); Orthoptera (13); Lizards, Phrynosomatidae (2); Plants, Asteraceae (70); Boraginaceae (3); Euphorbiaceae (6); Fabaceae (107) and Loasaceae (1927)			#	M	Adult	Riverside; CA	d	2
Dietary Composition	Overall Total (673); Arthropod Total (268); Vertebrate Total (2); Plant Total (360): Includes; Insects, Coleoptera (12); Diptera (1); Hemiptera (16); Homoptera (10); Hymenoptera (259); Lepidoptera (1); Neuroptera (3); Orthoptera (1); Lizards, Phrynosomatidae (1); Snakes, Crotalidae (1); Plants, Asteraceae (107); Boraginaceae (99); Euphorbiaceae (2); Fabaceae (33) and Loasaceae (119)			#	M	Adult	Riverside; CA	e	2
Home Range	437	168 (95CI)		m2	F	Adult	Riverside; CA	f	3
Home Range	1070	228 (95CI)		m2	M	Adult	Riverside; CA	g	3
Home Range	45	11 (95CI)		m2	F	Hatching	Riverside; CA	h	3
Home Range	90	58 (95CI)		m2	M	Hatching	Riverside; CA	i	3

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Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Home Range	146	56 (95CI)		m2	F	Juvenile	Riverside; CA	j	3
Home Range	270	58 (95CI)		m2	M	Juvenile	Riverside; CA	k	3
Population Density			0 - 45	#/ha	NR	NR	Riverside; CA	l	4
Time of Mating/ Laying	Apr. - Aug.				B	Adult	Riverside; CA	m	1
Time of Torpor or Hibernation	Nov. - Mar.				NR	NR	Riverside; CA	n	3
Time of Torpor or Hibernation	Oct. - Mar.				NR	NR	Riverside; CA	o	5

Notes

- a N=61; Coachella Valley
- b total numbers of food items found in stomach contents; N=17; July; Whitewater Floodplain Reserve, Palm Springs; see citation for species list of prey items
- c total numbers of food items found in stomach contents; N=13; May; Whitewater Floodplain Reserve, Palm Springs; see citation for species list of prey items
- d total numbers of food items found in stomach contents; N=23; May; Whitewater Floodplain Reserve, Palm Springs; see citation for species list of prey items
- e total numbers of food items found in stomach contents; N=17; July; Whitewater Floodplain Reserve, Palm Springs; see citation for species list of prey items
- f average home range estimated using minimum convex polygon method (snout-vent length, 70+mm); N=37; Mar. - Nov.; Whitewater Floodplain Reserve, Palm Springs
- g average home range estimated using minimum convex polygon method (snout-vent length, 80+mm); N=25; Mar. - Nov.; Whitewater Floodplain Reserve, Palm Springs; see citation for figures of home range as a function of snout vent length [range (m2) = 153 SVL(cm) - 793] and of monthly changes in home range
- h average home range estimated using minimum convex polygon method (snout-vent length, 0-50mm); N=11; Mar. - Nov.; Whitewater Floodplain Reserve, Palm Springs
- i average home range estimated using minimum convex polygon method (snout-vent length, 0-50mm); N=9; Mar. - Nov.; Whitewater Floodplain Reserve, Palm Springs
- j average home range estimated using minimum convex polygon method (snout-vent length, 51-69mm); N=15; Mar. - Nov.; Whitewater Floodplain Reserve, Palm Springs
- k average home range estimated using minimum convex polygon method (snout-vent length, 51-79mm); N=20; Mar. - Nov.; Whitewater Floodplain Reserve, Palm Springs
- l N=43 animals/10 plots (2.25 ha); Apr. - June; Palm Springs, Indio
- m time of breeding; N=NR; Coachella Valley
- n N=NR; Whitewater Floodplain Reserve, Palm Springs
- o N=NR; Whitewater Floodplain Reserve, Palm Springs; see citation for time-activity budgets

References

- 1 Mayhew, Wilbur W. 1965. Reproduction in the sand-dwelling lizard *Uma inornata*. *Herpetologica*. 21(1):39-55.
- 2 Durtche, Richard D. 1995. Foraging ecology of the fringe-toed lizard, *Uma inornata*, during periods of high and low food abundance. *Copeia*. 1995(4):915-926.
- 3 Horchar, Victor M. 1992. Home range dynamics of the Coachella Valley fringe-toed lizard. Master's thesis. Fullerton, CA: California State University, Fullerton. 61 p.
- 4 Turner, Frederick B., Donald C. Weaver and James C. Rorabaugh. 1984. Effects of reduction in windblown sand on the abundance of the fringe-toed lizard (*Uma inornata*) in the Coachella Valley, California. *Copeia*. 1984(2):370-378.
- 5 Durtche, Richard D. 1992. Feeding time strategies of the fringe-toed lizard, *Uma inornata* during breeding and non-breeding seasons. *Oecologia*. 89(1):85-89.

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